2365497-3 ✔ ACTIVE

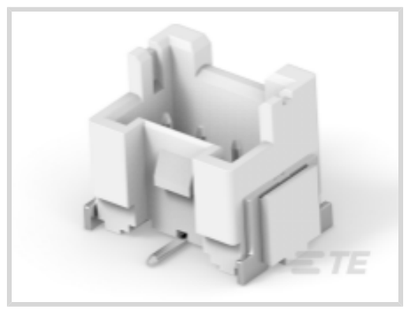
Economy Power 2.5

TE Internal #: 2365497-3

PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 2.5 mm [.098 in] Centerline, Tin (Sn), Surface Mount, Power & Signal, Economy Power 2.5

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board**

Number of Positions: **3**

Centerline (Pitch): **2.5 mm [.098 in]**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC

Body Features

Primary Product Color	Natural

Contact Features

Mating Pin Diameter	.6 mm[.024 in]
PCB Contact Termination Area Plating Material Thickness	2 – 5 µm[80 – 200 µin]
Contact Shape & Form	Round
Contact Layout	Inline
Contact Mating Area Length	3.6 mm[.142 in]
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2 – 5 µm[80 – 200 µin]
Contact Type	Pin
Contact Current Rating (Max)	4.2 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	3.4 mm[.134 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Alignment Type	Keyed, Polarization
PCB Mount Alignment Type	Pegs
PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Material	Nylon GF

Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL 1977
Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tape & Reel

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

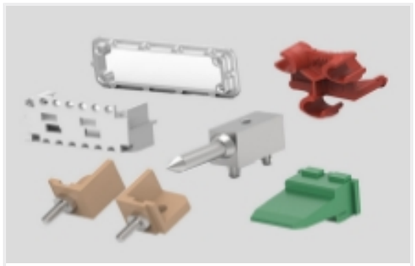
Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

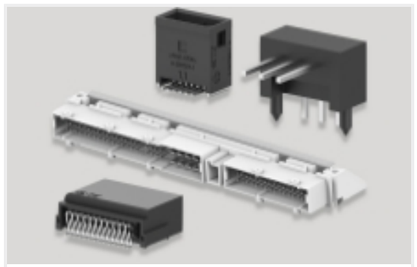
Also in the Series | Economy Power 2.5



Connector Contacts(6)



Connector Hardware(42)



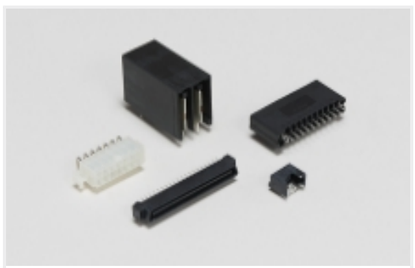
PCB Headers & Receptacles(412)



Rectangular Connector Housings(264)



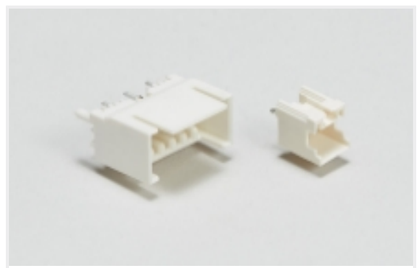
Rectangular Power Connectors(673)



Standard Rectangular Connectors(264)



Wire-to-Board Connector Assemblies & Housings(93)

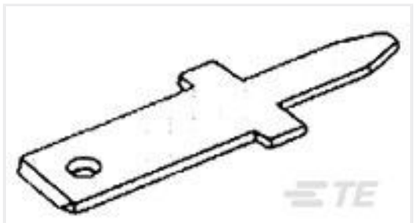


Wire-to-Board Headers & Receptacles (412)

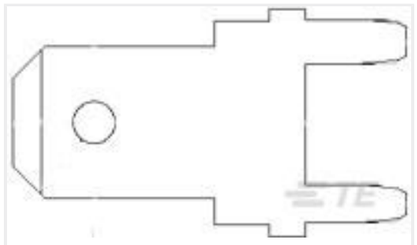
Customers Also Bought



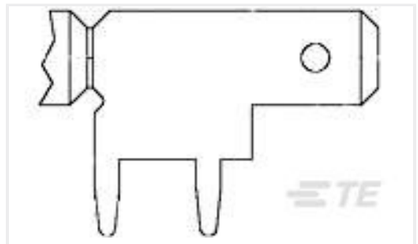
TE Part #60529-2
187 FASTON REC 20-16 AWG TPBR



TE Part #62395-1
110 FASTON TAB TPBR



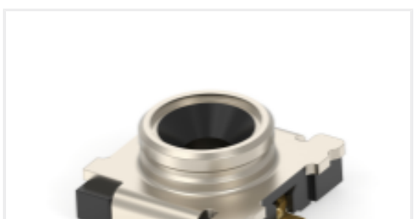
TE Part #1217057-1
187 FASTON,PCB TAB,TPBR



TE Part #1217061-1
187 FASTON,FLAG,TAB,TNBR



TE Part #2-1879233-5
SMW5 1R0 5%



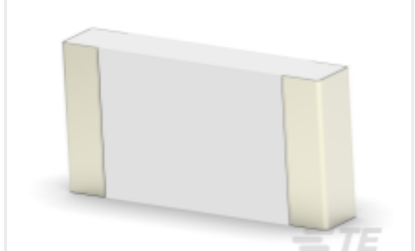
TE Part #2081956-1
RF SWITCH



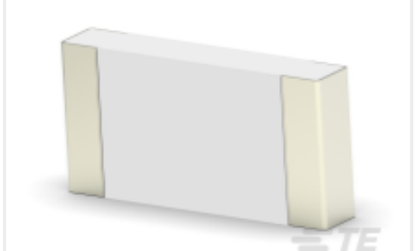
TE Part #3-2176245-2
CRGS1206 5% 390R



TE Part #2-2176246-5
CRGS2512 5% 100R



TE Part #3-2176245-1
CRGS1206 5% 330R



TE Part #6-2176245-1
CRGS1206 5% 100K

Documents

Product Drawings

EP2.5 single row SMT header,GWT,3P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2365497-3_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2365497-3_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2365497-3_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

ep2.5-smt-header-flyer-v4

English

7-1773461-6_EP2.5_Connector_Series

English

Product Specifications

Engineering Report

English

Agency Approvals

VDE Certificate

English